

Atty Dkt No. 8325-0007.01  
S7-US2  
PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on Dec 31, 2001

12/31/01  
Date

Susan LaMont  
Signature

RECEIVED

FEB 04 2002

TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

CASE et al.

Serial No.: 09/925,796

Art Unit: 1631

Filing Date: August 9, 2001

Examiner: Unassigned

Title: FUNCTIONAL GENOMICS USING ZINC FINGER PROTEINS

**CERTIFICATE UNDER 37 CFR 3.73(b)**

SANGAMO BIOSCIENCES, INC., a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors CASE and ZHANG in the parent application serial no. 09/395,448 (recorded October 29, 1999, Reel 010362, Frame 0609) and by virtue of an assignment from inventor Fyodor URNOV in the above application serial no. 09/925,796 (recorded September 27, 2001, Reel 012004, Frame 0772). A copy of the assignments are attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 11-7-01

11-7-01

PS

Peter Bluford  
SANGAMO BIOSCIENCES, INC.

Name: Peter Bluford

Title: Vice President, Corporate Development



04496-00200065  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
AS Parent

FEBRUARY 08, 2000

PTAS

TOWNSEND AND TOWNSEND AND CREW LLP  
ANNETTE S. PARENT  
TWO EMBARCADERO CENTER  
8TH FLOOR  
SAN FRANCISCO, CALIFORNIA 94111-3834



\*101196472A\*

RECEIVED

FEB 04 2002

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

TECH CENTER 1600/2900

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/29/1999

REEL/FRAME: 010362/0609  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)

ASSIGNOR:  
CASE, CASEY C.

DOC DATE: 10/21/1999

ASSIGNOR:  
ZHANG, LEI

DOC DATE: 10/21/1999

ASSIGNEE:  
SANGAMO BIOSCIENCES, INC.  
501 CANAL BLVD., STE. A100  
RICHMOND, CALIFORNIA 94804

SERIAL NUMBER: 09395448  
PATENT NUMBER:

FILING DATE: 09/14/1999  
ISSUE DATE:

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10/28/99

11-09-1999

Attorney Docket No. 019496-002000

FORM PTO-1595  
(Rev. 6-93)

101196472

U.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Casey C. Case and Lei Zhang

Additional name(s) of conveying parties attached? Yes ☒ No

2. Name and address of receiving party(ies)

Name: Sangamo BioSciences, Inc.

Internal Address:

Street Address: 501 Canal Blvd., Ste. A100

City: Richmond

State: California ZIP: 94804

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: 10/21/99 and 10/21/99

Additional names and addresses attached? ☐ Yes ☒ No

RECEIVED

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 09/395,448

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Annette S. Parent  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
(415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed ☒ Charge Fees to Deposit Account☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Annette S. Parent  
Name of Person Signing

Atty Reg. No. 42,058

Signature

Date

Total number of pages including cover sheet, attachments and document 3

10. Change Correspondence Address to that of Part 5? ☒ Yes ☐ No

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover to:

Asst. Commissioner for Patents  
Box: Assignments  
Washington, D.C. 20231

SF 1038220 v1

11/03/1999 TL0011 00000062 201430 09395448  
05 FC:531 40.00 CH

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Casey C. Case of 605 Barrolihet Avenue, San Mateo, California 94402, and Lei Zhang of 520 Font Boulevard, San Francisco, California 94132, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **FUNCTIONAL GENOMICS USING ZINC PROTEINS**

Date(s) of execution of Declaration: 10/21/99 and 10/21/99

Filing date: **September 14, 1999**      Application No.: **09/395,448**

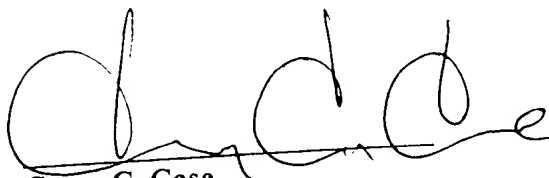
WHEREAS, Sangamo BioSciences, Inc. a Delaware corporation, located at 501 Canal Blvd., Suite A100, Richmond, California 94804, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

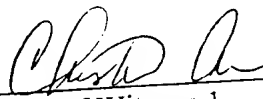
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 10-21-99

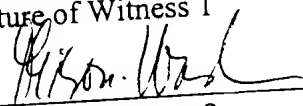
  
Casey C. Case

SIGNATURE WITNESSED BY:

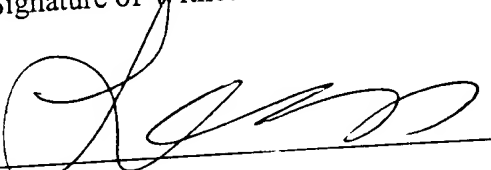
(1) Date: 10/21/99

  
Signature of Witness 1

(2) Date: 10/21/99

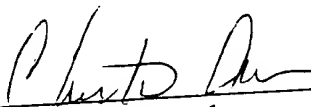
  
Signature of Witness 2

Date: 10-21-99

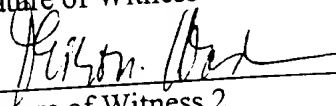
  
Lei Zhang

SIGNATURE WITNESSED BY:

(1) Date: 10/21/99

  
Signature of Witness 1

(2) Date: 10/21/99

  
Signature of Witness 2

1035190



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SEPTEMBER 27, 2001

PTAS

ROBINS & PASTERNAK LLP  
DAHNA S. PASTERNAK  
90 MIDDLEFIELD ROAD, SUITE 200  
MENLO PARK, CA 94025

**\*700007705A\***

\*700007705A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/27/2001

REEL/FRAME: 012004/0772  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
URNOV, FYODOR

DOC DATE: 09/17/2001

ASSIGNEE:  
SANGAMO BIOSCIENCES, INC.  
POINT RICHMOND TECH CENTER 501  
CANAL BLVD., SUITE A100  
RICHMOND, CALIFORNIA 94804

SERIAL NUMBER: 09925796  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

09/27/2001  
700007705

Atty Dkt No. 8325-0007.01

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECORDATION COVER SHEET (PATENT)

1. Name of conveying party/parties:

Pyodor URNOV

2. Name and address of receiving party/parties:

Sangamo BioSciences, Inc.  
Point Richmond Tech Center  
501 Canal Blvd., Suite A100  
Richmond, CA 94804

3. Nature of conveyance:
- ☒
- Assignment
- 
- ☐
- Name Change
- 
- ☐
- Other

Execution date: September 17, 2001

4. Application number(s) or patent number(s):

A. Patent Application No(s): 09/925,796 (CON of 09/395,448)

B. Patent No(s):

If this document is being filed together with a new application, the execution date of the application is:  
and the title of the new application is:

5. Name and address of party to whom correspondence concerning document should be mailed:

Dahna S. Pasternak  
ROBINS & PASTERNAK LLP  
90 Middlefield Road, Suite 200  
Menlo Park, CA 94025

6. Total number of applications/patents involved: 1

SEP-27-01 THU 09:39 AM

ROBINS &amp; PASTERNAK LLP

FAX NO. 325782

7. Total fee: 1 x \$40.00 = \$ 40.00

X Inclosed is a check for \$ 40.00.

— Authorized to be charged to deposit account

8. Deposit account number: 18-1648.

9. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 which may be required by this paper, or to credit any overpayment, to Deposit Account No. 18-1648.

10. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: Sept 27, 2001

By: D. Pasternak  
Dahna S. Pasternak  
Reg. No. 41,411

ROBINS & PASTERNAK LLP  
90 Middlefield Road, Suite 200  
Menlo Park, CA 94025  
Telephone: (650) 325-7812  
Fax: (650) 325-7823

Total number of pages including cover sheet, attachments, document: 4

Mail to: U.S. Patent and Trademark Office  
Office of Public Records, Box Assignment  
Crystal Gateway 4, Room 335  
Washington, D.C. 20231

## ASSIGNMENT

THIS ASSIGNMENT, by Fyodor URNOV (hereinafter referred to as the assignor), residing at Richmond, CA, witnesseth:

WHEREAS, the said assignor has invented certain new and useful improvements in FUNCTIONAL GENOMICS USING ZINC FINGER PROTEINS set forth in an application for Letters Patent of the United States, Serial No. Unassigned, filed on August 9, 2001, which is a continuation of Serial No. 09/395,448; and

WHEREAS, Sangamo BioSciences, Inc. a corporation duly organized under and pursuant to the laws of Delaware, and having its principal place of business at Point Richmond Tech Center, 501 Canal Blvd., Suite A100 Richmond, CA 94804 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, the said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Union for the Protection of Industrial Property, the same to be held and enjoyed by the said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are

unencumbered and that the said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and assigns, that the said assignors will, whenever counsel of the said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.

AND the said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to the said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

Date 9-17-2001 Name of Inventor Fyodor URNOV  
Fyodor URNOV